



**NATIONAL
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STATISTICS
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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr. Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: Very hot temperatures and little rainfall continued to affect agriculture throughout the State again this week. Stress from the heat remained an issue for crops and livestock in spite of the occasional showers that fell in parts of Kentucky. **Topsoil moisture** was rated 6 percent very short, 36 percent short, 53 percent adequate and 5 percent surplus. **Subsoil moisture** was rated 3 very short, 27 percent short, 65 percent adequate and 5 percent surplus. Out of a possible 7 days, there were 6.1 days suitable for fieldwork. The continued heat limited farm activities, but farmers were still able to bale hay, clip pastures, spray field crops, and top tobacco.

ROW CROPS: **Corn** silked was 74 percent complete as of Sunday July 31, compared to 89 percent for 2010 and the five year average. Percent of corn that have reach the milk stage was 44 percent, compared to 66 percent for the previous year and 58 percent for the average. A quarter of the corn crop has reached the dough stage. It was 41 percent a year ago, with one-third for the average. Six percent was dented, compared to 14 percent last year and the average at 12 percent. Corn condition was rated 1 percent very poor, 3 percent poor, 30 percent fair, 40 percent good, and 26 percent excellent. Sixty percent of the **soybean** crop has bloomed, well behind last year's 79 percent and 66 percent for the average. One-quarter of the soybeans have set pods, compared to 43 percent a year ago and 33 percent for the average. The soybean condition was assessed at 4 percent poor, 34 percent fair, 45 percent good, and 17 percent excellent.

TOBACCO: Tobacco continued to be topped at a good clip this week. Half of the dark tobacco was topped compared to 56 percent for 2010 and the five year average. Dark tobacco bloomed was at 78 percent, close to last year's 79 percent, but ahead of the average which was 63 percent. Burley tobacco topped was 18 percent, compared to 32 percent a year ago and 30 percent for the average. Burley tobacco that had bloomed was 45 percent, behind 2010's 57 percent and five year average of 51 percent. Condition of the set tobacco was at 1

percent very poor, 5 percent poor, 29 percent fair, 46 percent good, and 19 percent excellent.

OTHER CROPS AND PASTURE: **Hay** cuttings have been promising. The condition of the hay crop was 1 percent very poor, 5 percent poor, 30 percent fair, 52 percent good, and 12 percent excellent. **Pasture** condition was reported as 3 percent very poor, 8 percent poor, 30 percent fair, 48 percent good, and 11 percent excellent.

CROP PROGRESS for week ending 07/31/11

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Silking	74	65	89	89
Corn Milked	44	35	66	58
Corn Dough	25	14	41	33
Corn Dent	6	NA	14	12
Soybeans Blooming	60	46	79	66
Soybeans Setting Pods	25	13	43	33
Burley Tobacco Blooming	45	28	57	51
Burley Tobacco Topped	18	10	32	30
Dark Tobacco Blooming	78	65	79	63
Dark Tobacco Topped	50	35	56	56

SOIL MOISTURE for week ending 07/31/11

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	6	36	53	5
Subsoil	3	27	65	5

CROP CONDITIONS for week ending 07/31/11

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	1	3	30	40	26
Soybeans	0	4	34	45	17
Pasture	3	8	30	48	11
Hay Crops	1	5	30	52	12
Tobacco Set	1	5	29	46	19

KENTUCKY WEATHER SUMMARY, JULY 25 – 31, 2011:

Above Normal Temperature and Below Normal Rainfall:

This past week was the 4th week in a row with above normal temperature; however it was the first week in 5 that temperatures cooled down from the previous week. This last week was very similar to the previous week, with only slightly lower temperatures and less rainfall. Highs were in the mid 90s to upper 80s throughout the week, which once again stressed livestock and crops. Rainfall was isolated in the Commonwealth, with several stations reporting little to no rainfall for the week.

Temperatures for the period averaged 81 degrees across the state which was 4 degrees warmer than normal and 2 degrees cooler than the previous period. High temperatures averaged from 92 in the West to 89 in the East. Departure from normal high temperatures ranged from 3 degrees warmer than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 73 degrees in the West to 70 degrees in the East. Departure from normal low temperature ranged from 6 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 98 degrees at Louisville and the extreme low was 64 degrees at Buckhorn Lake.

Rainfall for the period totaled 0.59 inches statewide which was 0.39 inches below normal and 60% of normal. Rainfall totals by climate division, West 0.11 inches, Central 0.81 inches, Bluegrass 0.56 inches and East 0.90 inches, which was 0.83, 0.17, 0.41 and 0.12 inches below normal. By station, rainfall totals ranged from a low of 0.00 inches at Carrollton to a high of 4.72 inches at Glasgow.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JULY 31, 7:00 P.M.

	Rainfall			Dev. From		Air Temperature				Growing Degree Days		
	=====			=====		=====				=====		
Weather Station	Last Week	Since April 1	Last Four Wks.	Norm Since Apr 1	Norm Last 4 Wks.	Hi	Lo	Wkly. Avg.	Dev. From Norm	Last Week	Since April 1	Since Dev.
		(Inches)						(Degrees F)				
Bardstown	0.53	34.85	4.78	+17.84	+0.26	95	67	81.1	+5	197	2405	+236
Berea	0.17	23.06	3.64	+5.62	-0.35	93	65	79.1	+4	190	2268	+37
Bowling Gree	0.04	27.21	1.75	+9.04	-2.53	97	71	83.8	+8	208	2625	+364
Bristol	0.88	17.68	3.79	+2.62	-0.11	95	49	81.5	+6	197	2475	+428
Buckhorn Lak	0.83	28.92	5.31	+12.07	+0.94	91	64	78.5	+3	191	2208	+252
Cape Girarde	0.27	35.29	1.93	+18.66	-1.27	95	70	83.1	+5	203	2574	+190
Campbellsvil	0.98	25.20	2.53	+5.74	-2.32	96	67	80.9	+5	195	2348	+147
Covington	0.93	31.53	2.22	+15.42	-1.61	97	68	82.9	+8	204	2276	+258
Cumberland G	0.47	23.30	2.89	+4.88	-1.87	93	66	79.6	+4	194	2384	+367
Dix Dam	1.86	26.74	5.37	+9.15	+0.89	95	69	81.4	+6	201	2347	+178
Evansville	0.01	32.88	6.52	+16.58	+2.87	96	71	84.1	+6	210	2516	+254
Glasgow	4.72	28.62	8.12	+9.10	+3.32	93	69	81.3	+5	201	2479	+308
Grayson	0.46	31.20	9.40	+14.61	+5.01	92	68	79.8	+5	195	2214	+319
Hardinsburg	0.50	35.53	4.67	+17.79	+0.36	93	68	81.0	+5	201	2402	+141
Henderson	0.01	30.31	4.31	+13.62	+0.62	93	67	81.0	+3	198	2482	+190
Huntington	2.85	26.29	4.56	+9.80	+0.11	95	61	82.7	+7	202	2447	+399
Jackson	0.39	28.40	6.02	+10.75	+1.28	92	70	79.9	+5	197	2337	+381
Lexington	0.70	26.93	4.58	+9.92	+0.06	94	70	81.5	+6	201	2299	+251
London	0.13	25.79	4.06	+9.23	-0.24	94	67	80.0	+5	193	2334	+317
Louisville	0.00	31.27	2.35	+14.45	-1.72	98	74	85.8	+10	218	2662	+400
Mayfield	0.31	28.10	1.85	+10.18	-2.21	92	68	80.6	+3	197	2560	+238
Nashville	0.92	20.38	3.46	+3.59	-0.13	95	49	81.5	+5	197	2567	+153
Nolin Lake	0.08	33.28	2.95	+14.30	-1.61	93	68	80.7	+5	200	2390	+312
Paducah	0.05	35.46	3.83	+17.27	+0.05	94	71	82.9	+5	207	2611	+258
Princeton	0.00	30.95	2.98	+13.05	-0.89	94	69	81.9	+4	202	2524	+202
Quicksand	0.51	26.79	4.92	+9.14	+0.18	93	69	80.7	+5	199	2323	+367
Somerset	0.13	23.18	2.74	+4.63	-1.68	93	67	79.8	+5	193	2284	+176
Spindletop	1.40	27.98	6.24	+10.97	+1.72	93	70	81.5	+6	203	2294	+246
Williamstown	0.26	28.01	2.22	+11.15	-1.87	94	70	80.9	+6	200	2232	+184

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>